I. Crude cell extract (293 cells)

II. Anion exchange matrix (Poros® 50 HQ) separate contaminants, collect telomerase

III. Matrix that binds molecules bearing positive charges (Poros® Heparin 20 HE-1) separate contaminants, collect telomerase

IV. Affinity agent (Oligo 5) separate contaminants, collect telomerase

I. Crude cell extract (293 cells)

II. Anion exchange matrix (Poros® 50 HQ) separate contaminants, collect telomerase

III. Matrix that binds molecules bearing positive charges (Poros® Heparin 20 HE-1) separate contaminants, collect telomerase

IV. Intermediate-selectivity matrix (Spermidine) separate contaminants, collect telomerase

V. Affinity agent (Oligo 5) separate contaminants, collect telomerase

I. Crude cell extract (293 cells)

II. Matrix that binds molecules bearing negative charge (anion exchange matrix) (Poros®50 HQ)

separate contaminants, collect telomerase

III. Matrix that binds molecules bearing positive charges (Poros® Heparin 20 HE-1)

separate contaminants, collect telomerase

IV. Intermediate-selectivity matrix (Spermidine) separate contaminants, collect telomerase

V. Separation based on size, shape, or buoyant density (Gel filtration chromatography - Superose[®]6) separate contaminants, collect telomerase

VI. Affinity agent (Oligo 5) separate contaminants, collect telomerase

Figure 4

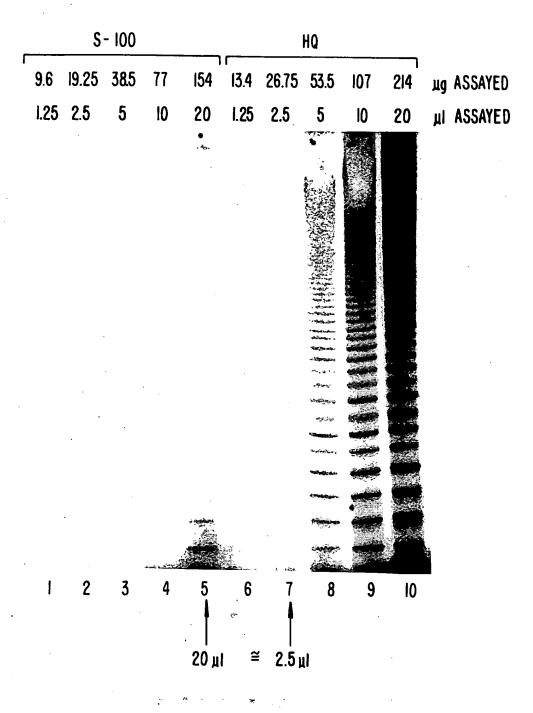
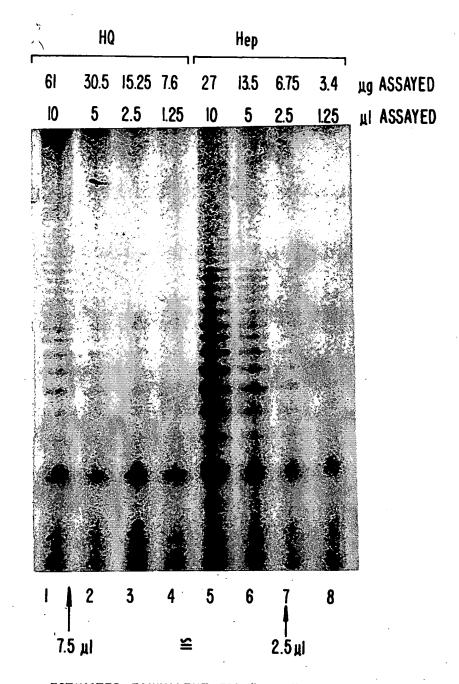
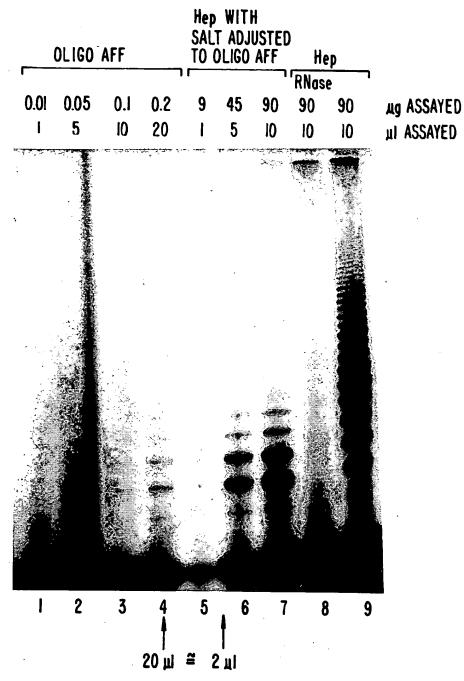


Figure 5



ESTIMATED EQUIVALENT FOR "UNIT" OF ACTIVITY

Figure 6



ESTIMATED EQUIVALENT FOR "UNIT" OF ACTIVITY

Figure 7

